

Certificate of Analysis

EPA Method 200.7 Calibration Standard #4
Catalog Number: ICM-205
Lot Number: T00041
Job Number: J00017564
Lot Issue Date: 01/10/2014
Expiration Date: 02/28/2018

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentration(s) were prepared and verified by an ISO Guide 34 / ISO 17025 accredited laboratory, and compared to calibration standards independently prepared using NIST SRM(s). The certified value and uncertainty value at the 95% confidence level for each analyte is determined gravimetrically.

Analyte	True Value				Analytical Method	NIST SRM
aluminum	1001	±	5	µg/mL	ICP / ICP-MS	3101a
calcium	1001	±	5	µg/mL	ICP / ICP-MS	3109a
chromium	500.4	±	2.5	µg/mL	ICP / ICP-MS	3112a
magnesium	1001	±	5	µg/mL	ICP / ICP-MS	3131a
nickel	500.3	±	2.5	µg/mL	ICP / ICP-MS	3136
potassium	1001	±	5	µg/mL	ICP / ICP-MS	3141a
* silver	500.2	±	2.5	µg/mL	ICP / ICP-MS	3151
sodium	1002	±	5	µg/mL	ICP / ICP-MS	3152a
zinc	500.5	±	2.5	µg/mL	ICP / ICP-MS	3168a

Matrix: 5% nitric acid in low TOC water (< 50 ppb)

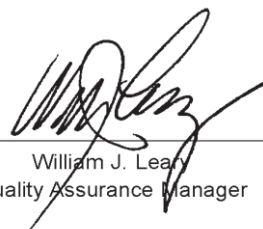
* *light sensitive*

ULTRA uses purified acids, 18 megaohm double deionized water, calibrated Class A glassware, and meticulously cleaned bottles in the manufacturing of ULTRAgrade standards. Balances used in the manufacturing of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.



ISO 17025:2005
Accredited
A2LA
Cert. No. 0851.01

ISO 9001:2000
Registered
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